

CLAIMS

1. An indoor unit of an air conditioner, comprising:

an air inlet;

a plurality of fin-tube type heat exchangers each having heat transfer tubes extending through stacked plate fins;

a fan;

an air passage; and

an air outlet,

wherein the plurality of fin-tube type heat exchangers are arranged to surround the fan, and the air pressure loss of an adjacent heat exchanger disposed adjacent to the air inlet, of the fin-tube heat exchangers, is larger than the air pressure loss of a remote heat exchanger that is disposed farther from the air inlet than the adjacent heat exchanger.

2. The indoor unit according to claim 1, wherein the air inlet is provided on an upper side of the indoor unit, the adjacent heat exchanger consists of an upper front heat exchanger provided in an upper front area below the air inlet and slightly tilted so as to make its upper portion positioned backward and its lower portion positioned forward, and a rear heat exchanger provided in an upper rear area below the air inlet and slightly tilted so as to make its upper portion positioned forward and its lower portion positioned backward, and the remote heat exchanger consists of a lower front heat exchanger provided in a lower front area to substantially

vertically extend from the upper front heat exchanger.

3. The indoor unit according to claim 1 or 2, wherein each of the plate fins in the adjacent heat exchanger has louvered portions, and each of the plate fins in the remote heat exchanger does not have a louvered portion.

4. The indoor unit according to claim 1 or 2, wherein each of the plate fins in the adjacent and remote heat exchangers has louvered portions, but at the lowermost end portion of each plate fin in the remote heat exchanger, a louvered portion is provided only on the most downstream side in a row direction.

5. The indoor unit according to claim 1 or 2, wherein each of the plate fins in the adjacent and remote heat exchangers has louvered portions, but in the louvered portions, of the louvered portions of the plate fins in the remote heat exchanger positioned nearest to the fan, the louvered portions positioned on the most downstream side in a row direction are shaped like a parallelogram having opposite sides inclined downward at a predetermined angle to the row direction.

6. The indoor unit according to any one of claims 1 to 5, wherein the pitch of the plate fins in the adjacent heat exchanger is smaller than the pitch of the plate fins in the remote heat exchanger.

7. The indoor unit according to any one of claims 1 to 6, wherein the height of the louvered portions in the remote heat exchanger is smaller than the height of the louvered portions in the adjacent heat-exchanging section.

8. An indoor unit of an air conditioner, comprising:

an upper air inlet;

a plurality of fin-tube type heat exchangers each having heat transfer tubes extending through stacked plate fins having louvered portions;

a fan;

an air passage; and

an air outlet,

wherein the plurality of fin-tube type heat exchangers include an adjacent heat exchanger disposed adjacent to the air inlet and a remote heat exchanger disposed farther from the air inlet than the adjacent heat exchanger, the adjacent and remote heat exchangers surround the fan, an auxiliary heat exchanger is provided on an air upstream side of the remote heat exchanger, and a space is provided in a front panel of the auxiliary heat exchanger to pass air therethrough.

9. The indoor unit according to any one of claims 1 to 8, wherein the adjacent heat exchanger consists of an upper front heat exchanger provided in an upper front area below the air inlet and slightly tilted so as to make its upper portion positioned backward and its lower portion positioned forward,

and a rear heat exchanger provided in an upper rear area below the air inlet and slightly tilted so as to make its upper portion positioned forward and its lower portion positioned backward, and the upper front and rear heat exchangers have the same shape, and are connected so that an end face of one of the upper front and rear heat exchangers is in face contact with a side face of the other heat exchanger near the upper air inlet.